Platinum Plus Remote Control

user's guide

DishPVR
PERSONAL VIDEO RECORDER

REGULATORY FACTORS

WIRELESS REMOTE CONTROL

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this device may void your authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the use is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experience radio/TV technician for help.

SAFETY INSTRUCTIONS

You *must* keep safety in mind while using this device. Keep these and any other instructions for future reference.

INSTALLATION

Observe Warnings: Carefully follow all warnings on the device and in the operating instructions.

Heat: DO NOT place the device near heat sources such as radiators, stoves, heat registers, or other appliances that produce heat.

CARE AND USE

Cleaning: DO NOT use liquid, abrasive, solvent, or aerosol cleaners. Use a damp cloth for cleaning.

When Not in Use: Remove the batteries if this device is to be left unattended or unused for a long period of time.

	Refer servicing to qualified personnel when a solid object or liquid has fallen onto or into the device.
	DO NOT attempt to service this device. Refer all servicing to qualified personnel. Opening covers other than the battery cover will void the warranty.

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REMOTE CONTROL BASICS

This remote control gives you easy access to all the features of a DISH Network satellite TV receiver and lets you control PVR features of a DISH Network DishPVR satellite receiver. These PVR features let you record programming with full digital quality, *without* a VCR.

You can set up the remote to control the satellite TV receiver and up three other devices. These devices can be a TV, a VCR or DVD player, and a third device.

REMOTE CONTROL BATTERIES

The remote control requires AAA batteries. When you replace old batteries, you should replace *all* of the batteries. Use batteries of the same kind, *for example*, alkaline or carbon zinc, and *don't* mix batteries of different kinds. Alkaline batteries last longer.

1. Press down on the battery cover's top latch and lift the cover off.
2. Take out all of the old batteries.
3. Put the new batteries in. Make sure you match the plus ("+") ends with the plus markings on the battery case.
4. Fit the battery cover's bottom tab back into the slot at the bottom of the battery case, and snap the cover back into place.

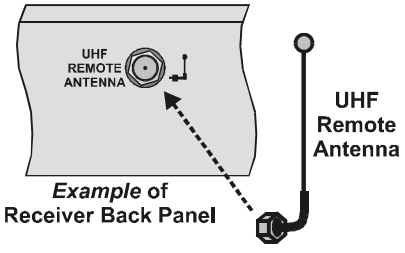
REMOTE CONTROL SIGNALS: UHF AND IR

The remote control uses *both* Ultra High Frequency (UHF) radio signals and Infrared (IR) light signals to control the receiver but uses *only* IR signals to control other devices.

- IR signals travel only short distances (40 feet or less), and *can't* go through walls or other solid objects. You *must* point the remote control right at the device you want to control, with no objects to block the signal path.
- UHF signals travel long distances (100 feet or more) and *can* go through walls and other solid objects. Because UHF signals travel so far, the receiver may respond to signals from other nearby remote controls. To handle this problem, see *Change the Address* on page 9. If this doesn't work, see *Install an Attenuator* on page 4.
- You need to attach the UHF remote antenna to the receiver's back panel UHF REMOTE ANTENNA input so you can use the UHF capabilities of the remote.

  Note: Set the antenna *straight up* so you can use the remote from as far away as possible. *Don't* let the antenna touch anything.

  Note: If you don't attach the antenna, you can *still* use the remote to control the receiver at *short* distances. This is because the remote sends *both* IR and UHF signals to the receiver.



INSTALL AN ATTENUATOR

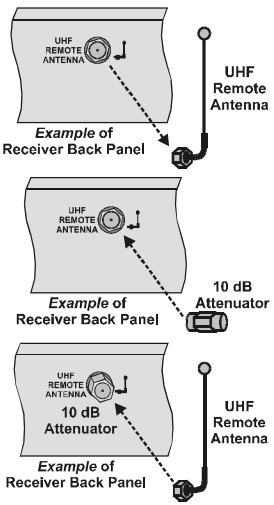
Stray UHF signals can block signals from the remote control to the receiver. To prevent blocks, you can install a 10 dB attenuator (you can buy one from a consumer electronics parts store).

Note: This will help keep out stray UHF signals, but also cut down how far away you can use the remote control.

1. Take the UHF antenna off of the receiver's back panel UHF REMOTE ANTENNA input.

2. Put a 10 dB attenuator onto the UHF REMOTE ANTENNA input.

3. Put the UHF antenna onto the attenuator.



REMOTE CONTROL MODES

REGULAR MODES

You can set the remote to four different modes to control the receiver or other devices.

Set up the remote to control a device like a TV or a VCR. See *Set Up the Remote Control* on page 6 for what to do.

Note: The remote comes *already* set up to control the receiver, unless you have changed the address on your receiver.

Use the remote control's mode buttons, SAT ("satellite" receiver), TV, VCR (for a VCR or a DVD player), and AUX ("auxiliary," for a cable TV box, a tuner, a second TV, a second VCR, a DVD player, or an audio amplifier) to *set* the remote to the right mode for the device. To *change* the mode, press the button for the device you want the remote to control. The mode button stays lit for two seconds to show you've set the remote to that mode.

LIMITED MODE

You can program your remote control in limited mode to keep from accidentally changing the channel on your TV or VCR. When you use the remote to control your TV in limited mode, you will only be able to use the POWER, MUTE, and VOLUME buttons. Also, when you use the remote to control your VCR in limited mode, you will only be able to use the POWER and VCR function buttons.
The section *Set Up the Remote Control* has a step that tells the remote control to go into limited mode.
Note: Limited mode is not used with cable boxes or amplifiers.

REMOTE CONTROL SETUP

SET UP THE REMOTE CONTROL

On the next few pages we tell you how to set up the remote to control a TV, a VCR, or other devices.

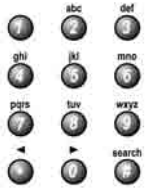
ATTENTION!

When you get the remote it's already set up to control the receiver, unless you have changed the address on your receiver. However, you must set up the remote to control the TV before you can use the MUTE and VOLUME buttons. To set up the remote control, you can either follow the directions in *Setting Up to Control Other Devices* below or *Scan for Device Codes* on page 7.

SETTING UP TO CONTROL OTHER DEVICES

You can set up the remote to control other devices using the device codes listed on page 26. Here's what to do:

1. Use the device's buttons or its remote control to turn the device on.
2. Find the brand name of the device in the tables starting on page 26.
   If the brand isn't listed, see *Scan for Device Codes* on page 7.
3. Press and hold the mode button for the device you want the remote to control, for about three seconds. When all the other mode buttons light up, let go of the mode button - that mode button should now be flashing.
   For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.
4. *Only for the AUX mode*, Use a number button to enter 0 for a second TV, or 1 for a second VCR, or 2 for a tuner, amplifier, or cable box.
   For any other mode, skip to step 5.
5. Use the number buttons to enter one of the device codes from the table.
6. *Only for limited mode*, Press 1.
   Note: If you want to use all of the remote control's features in TV mode, reprogram the remote control following these instructions but skip step 6.



7. Press the POUND (#) button. If you entered the code correctly, the mode button flashes three times.

8. Press the blank POWER button to test if the code works for the device. If it does, the device should turn off.
9. Turn the device back on and try some other buttons to make sure they work. Sometimes, the blank POWER button works when other buttons don't. If the code works for other buttons, *stop here*.
10. If the code you entered *doesn't* work, do steps 3 through 9 *again* with another device code from the tables.
11. If you cannot find a code that works, try *Scan for Device Codes* below.

SCAN FOR DEVICE CODES

If the code for your device is not listed in the tables on starting page 26, use this procedure to scan the remote control's memory for the device code. Here's what to do:

1. Use the device's buttons or its remote control to turn the device on.
2. Press and hold the mode button for the device you want the remote to control, for about three seconds. When all the other mode buttons light up, let go of the mode button - that mode button should now be flashing.
   For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.
3. *Only for the* AUX *mode*, use the number buttons to enter 0 for a second TV, 1 for a second VCR, or 2 for a tuner, amplifier, or cable box. Then press the STAR (*) button.
   For any other mode, skip to step 4.

4. Press the blank POWER button.

5. Press the up or down arrow button until the device turns off. You will have to do this repeatedly to scan through all codes.
   Note: The mode button for the device will flash rapidly eight times when you've scanned all the codes for that device.

6. If the remote reaches the correct code, the device turns off. When this happens, press the POUND (#) button to store the code in the remote.

7. Press the blank POWER button to turn the device back on.
8. Try some other buttons to make sure they work. Sometimes, the blank POWER button works when other buttons don't.

CHECK THE DEVICE CODES

You can find out what device code you've set for each remote control mode. Here's what to do:

1. Press and hold the mode button for the device you want the remote to control, for about three seconds. When all the other mode buttons light up, let go of the mode button - that mode button should now be flashing.
   For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.
2. Press the POUND (#) button *twice*. The mode button flashes the number for each digit of the device code, with a pause between the groups of flashes. A quick flash is for zero. *For example*, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.

For AUX mode, the first group of flashes tells you what the AUX mode controls. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a VCR; and two flashes is for a tuner, amplifier, or cable box. For example, if the *TV* code is 570, the AUX mode button flashes once quickly, pauses, flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.

CHANGE THE ADDRESS

Because UHF signals travel long distances and go through walls, a neighbor's remote may control your receiver by mistake. To handle this problem, you can change the remote control and receiver address.

1. Open the **Important System Information** screen.
   Press the receiver's front panel SYSTEM INFO button.
   The **Important System Information** screen shows a **Remote Address**.
   Write down this number: _____

2. *Press and hold* the SAT mode button about three seconds, until all the mode buttons light up, and then let go of the SAT button. The SAT mode button will blink.

3. Use the number buttons to enter any number from 1 to 16, but *not* the one you found in step 1. The SAT mode button goes out after you enter each digit, and then lights up again.
   Write down the number you entered: _____
4. Press the POUND (#) button.
   If you entered the address correctly, the SAT mode button will flash three times.

5. Press the RECORD button.
6. Make sure the **Remote Address** on the **Important System Information** screen now is the same as the one you entered in step 3. If it isn't, the remote *can't* control the receiver.

7. To check the remote control address, *press and hold* the SAT mode button for three seconds. Then, let go of the SAT button, and press the POUND (#) button *twice*. The SAT mode button flashes the same number of times as the address you entered in step 3.
8. Press the SELECT button to close the **Important System Information** screen.

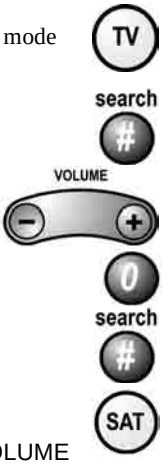
SWITCH BETWEEN TV AND DEVICE VOLUME CONTROL

When you set up the remote to control a TV, the MUTE and VOLUME buttons control the TV volume. However, if you want to use the AUX mode to control a tuner or amplifier and the device has a volume setting, you can set up the remote to control the device's volume instead of the TV volume.

To set the remote to control the device's volume:

1. Press and hold the AUX mode button for three seconds, and then let go of it. The AUX mode button will blink.
2. Press the POUND (#) button.
3. Press the plus (+) side of the VOLUME button.
4. Press the 0 number button.
5. Press the POUND (#) button. The AUX mode button flashes three times.
6. Press the SAT mode button.
7. Press the plus (+) and minus (-) sides of the VOLUME button. The device's volume changes and the AUX mode button lights instead of the TV mode button.

To set the remote back to control the TV volume:



1. Press and hold the TV mode button for three seconds, and then let go of it. The TV mode button will blink.
2. Press the POUND (#) button.
3. Press the plus (+) side of the VOLUME button.
4. Press the 0 number button.
5. Press the POUND (#) button.
   The TV mode button flashes three times.
6. Press the SAT mode button.
7. Press the plus (+) and minus (-) sides of the VOLUME button.
   The TV's volume changes and the TV mode button lights instead of the AUX mode button.

REMOTE CONTROL BUTTONS

CONTROL THE RECEIVER

SAT MODE BUTTON

Press this button to set the remote to SAT ("satellite") mode to control the receiver. The SAT mode button's back light stays lit for about two seconds to show you've set the remote to SAT mode. *Make sure you keep the remote in* SAT *mode to use the buttons we tell you about here.*

TV/VIDEO BUTTON

If you connect the receiver with its back panel TV ANTENNA/CABLE IN and TV SET OUT ports, use this button to switch the receiver between the satellite signal (connect it to the SATELLITE IN port) and another video signal like a cable or broadcast TV antenna input (connect it to the receiver's TV ANTENNA/CABLE IN input).

Note: If you connect the receiver to other devices with the phono (RCA) jacks or the S-VIDEO output, you *must* use the TV menus to change the input from local broadcast TV to satellite TV.

POWER BUTTONS

Press the blank POWER button to turn the receiver on or off. The POWER light on the receiver's front panel turns on to show the receiver is on, and turns off to show it's off.

MENU BUTTON

Press this button to open the **Main Menu**.

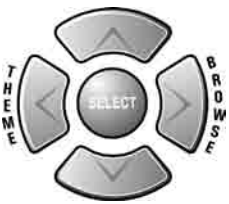
PAGE UP AND PAGE DOWN BUTTONS

Press the PAGE UP button or the PAGE DOWN button to scan, page by page, through the **Program Guide**, a **Themes** list, a **Favorite List**, an **Event Timers** list, or a list of channels.

Note: An "event" is any satellite program.

GUIDE BUTTON

Press this button to open the **Program Guide**. When you have the **Program Guide** open, press this button to change between your **Favorite Lists**.



ARROW BUTTONS

- Change channels - Press the UP or DOWN arrow button to change channels.
- Open the **Browse Banner** - Press the RIGHT arrow button.
- Show **Themes** - Press the LEFT arrow button.
- Move around within the **Program Guide**, menus, and **Browse Banner** - Press the UP, DOWN, LEFT, and RIGHT arrow buttons.

SELECT BUTTON

Press this button to select the option you highlight in a menu.

RECALL BUTTON

Press this button to go back to the last receiver channel you watched. Press it again to switch between the last two receiver channels you watched.

INFO BUTTON

- Program information - Press the INFO button for more information when you watch a program, or when you have the **Program Guide**, **Browse Banner**, or **Themes** list open.
- Help - Press the INFO button to see help information when a **Help** button appears in a menu.

VIEW BUTTON

- When you watch a program, press this button to briefly display the **Program Banner**.
- When you use a menu, press this button to cancel and go back to watch a program.

CANCEL BUTTON

Press this button to cancel and go back to the previous menu or to watch a program.

DISHPVR BUTTONS

Use these buttons to record or play back a program.

- Press the PVR button to open the **DishPVR Recorded Events** menu.
- Press the SKIP BACK button to:
  - Skip back about ten seconds in a program. Press this button again to skip back again.
  - Skip back one day at a time in the Electronic Program Guide (EPG).
    Note: The SKIP BACK button will not skip back the EPG beyond the current date.

- Press the SKIP AHEAD button to
  - Skip ahead about 30 seconds in a program. Press this button *again* to skip ahead again.
  - Skip ahead one day at a time in the EPG.

- Press the BACK button to move back through a program four times as fast as normal play. Press this button *twice* to move back at 15 times, *three times* to move back at 60 times, and *four times* to move back at 300 times as fast as normal play.

- Press the PAUSE button to pause a program. Press this button *again* to go back to watching the program.

- Press the FWD ("forward") button to move ahead through a program four times as fast as normal play. Press this button *twice* to move ahead at 15 times, *three times* to move ahead at 60 times, and *four times* to move ahead at 300 times as fast as normal play.

- Press the STOP button to stop recording a program or to stop playing a recorded program.

- Press the PLAY button to watch a program. Also, press this button to switch from forward or reverse back to watch the program as usual.

- Press the RECORD button to start recording a program.

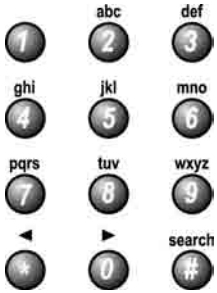
  Note: You also use this button if you change the remote control address. See page 9.

DISH BUTTON

Press the dish button to go to **Dish Home** for receivers that support **Dish Home**.

i BUTTON

This button is reserved for future use.



NUMBER BUTTONS

- Change the channel - Use the NUMBER buttons to enter a channel number to change the channel. If you have the **Program Guide** open, use the NUMBER buttons to jump to the channel listing on the **Program Guide**.
- Scroll through the **Program Guide** by time - When you have the **Program Guide** open, enter a number of hours using these buttons, and then press the RIGHT or LEFT arrow button to skip the **Program Guide** forward or backward that many hours. Enter menu options - For an option with a number, you can press the number for that option *instead* of highlighting and selecting the option.
- Enter numbers in a blank - Highlight the place where you need to enter the number. Press a number button(s) (or, you can use the UP/DOWN arrow buttons to enter the number).
- Search - Use the letters above the NUMBER buttons while in the **Search** menu. For example, when looking for the channel and times to watch *Rudy Fremmel Presents*, you press 7 three times for an R, 8 two times for a U, 3 one time for a D, and 9 three times for a Y to spell the word “Rudy” (see your receiver’s *User Guide* for more information).

STAR (*) BUTTON

Press this button to back space while using the search function of your receiver.

POUND (#) BUTTON

Press this button to display the **Search** screen. Also, you use this button in several procedures in this *User Guide*.

PIP (PICTURE-IN-PICTURE) BUTTON

Press this button to open the **PIP** window. To make the PIP window larger, press this button again. Press the button a third time, and the **PIP** window will close.

SWAP BUTTON

Press this button to swap the video in the main display with the video in the **PIP** window.
Note: Remember that you can only access the **Program Guide**, **Browse Banner**, and **PVR** functions for the picture that is in the full screen. If you want to use the **Program Guide**, **Browse Banner**, and other features, for the video in the PIP window, you must first press SWAP to make it full screen.

POSITION BUTTON

Press this button to move the PIP window to different positions on the TV screen.

CONTROL A TV (OR A SECOND TV)

Only the buttons we tell you about here control a TV. Some of the buttons we tell you about here may *not* control your TV. See your TV user's manual for information about the TV's features.

You can set up the remote to control a second TV in AUX mode, the *same* way it controls the first TV in TV mode. See *Set Up the Remote Control* on page 6.

TV MODE BUTTON

You must first set up the remote to control the TV. See *Set Up the Remote Control* on page 6. Then press the TV mode button to set the remote to TV mode. The TV mode button will stay lit for two seconds to show you've set the remote to TV mode. Make sure you keep the remote in TV mode to use the buttons we tell you about here.

TV/VIDEO BUTTON

If the TV has video input options, use this button to switch the TV video input.

POWER BUTTONS

Press *either* POWER button to turn the TV on or off.

Note: If you set up the remote to control one TV in TV mode and an additional TV in AUX mode, pressing the TV POWER button controls *only* the TV you set up in TV mode.

MUTE BUTTON

Press this button to turn the TV sound on or off.

VOLUME BUTTON

Press this button to raise (+) or lower (-) the TV sound volume.

UP/DOWN ARROW BUTTONS

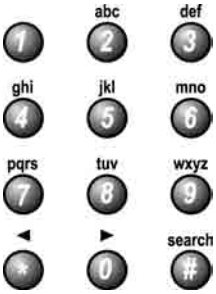
Use these buttons to change channels on the TV.
Note: These buttons do not change the channels on the TV if the remote control is in limited mode.

SELECT BUTTON

The SELECT button works as the ENTER button for a TV.

RECALL BUTTON

Press this button to go back to the last TV channel you watched. Press it again to switch between the last two TV channels you watched.



NUMBER BUTTONS

Use these buttons to directly enter a different channel.
Note: These buttons do not change the channels on the TV if the remote control is in limited mode.

CONTROL A VCR (OR A SECOND VCR OR A DVD PLAYER)

ATTENTION!

Only the buttons we tell you about here control a VCR or DVD. Some of the buttons we tell you about here may *not* control your VCR. See your VCR's user's manual for information about the VCR's features.

You can set up the remote to control a second VCR in AUX mode, the *same* way it controls the first VCR in VCR mode. See *Set Up the Remote Control* on page 6.

VCR MODE BUTTON

You must first set up the remote to control the VCR. See *Set Up the Remote Control* on page 6. Then press the VCR mode button to set the remote to VCR mode. The VCR mode button will stay lit for two seconds to show you've set the remote to VCR mode. Make sure you keep the remote in VCR mode to use the buttons we tell you about here.

ATTENTION!

You must put the remote in VCR mode to set it up to control a DVD player. Later, you *must* put the remote in VCR mode to use it to control a DVD player.

TV/VIDEO BUTTON

Use this button to switch the VCR between its TV mode and its VCR mode (see your VCR user's manual for information).

POWER BUTTON

Press the blank POWER button to turn the VCR on or off. Press the TV POWER button to turn the TV on or off.

UP/DOWN ARROW BUTTONS

Use these buttons to change channels on the VCR.

Note: If you are using the remote control in Limited Mode, the TV will not change channels.

VCR BUTTONS

- Press the BACK button to rewind a videotape.
- Press the PAUSE button to pause a videotape. Press this button or the PLAY button to play the tape.
- Press the FWD ("forward") button to forward a videotape.

- Press the STOP button to stop playing or recording on a videotape.
- Press the RECORD button to record on a videotape.
- Press the PLAY button to play a videotape.

CONTROL A CABLE TV BOX

ATTENTION!

Only the buttons we tell you about here control a cable TV box. Some of the buttons we tell you about here may *not* control your cable TV box. See your cable box user's manual for information about the box's features.

AUX MODE BUTTON

You *must first* set up the remote to control the cable TV box. See *Set Up the Remote Control* on page 6. Then press the AUX mode button to set the remote to AUX mode. The AUX mode button will stay lit for two seconds to show you've set the remote to AUX mode. Make sure to keep the remote in AUX mode to use the buttons we tell you about here.

TV/VIDEO

TV/VIDEO BUTTON

Use this button to switch the cable box between its TV mode and its video mode.

POWER BUTTON

Press the blank POWER button to turn the cable box on or off. Press the TV POWER button to turn the TV on or off.

MUTE BUTTON

Press this button to turn on or off the sound from the cable box.
Note: Program the remote to control the device's volume by following the instructions on page 10.

VOLUME BUTTON

Press this button to raise (+) or lower (-) the sound volume from the cable box.
Note: Program the remote to control the device's volume by following the instructions on page 10.

UP/DOWN ARROW BUTTONS

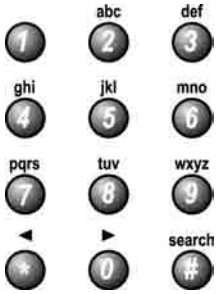
Use these buttons to change channels on the cable box.

SELECT BUTTON

Press the SELECT button in place of the ENTER button for the cable box.

RECALL BUTTON

Press this button to go back to the last cable box channel you used. Press it again to switch between the last two cable box channels you used.



NUMBER BUTTONS

Use these buttons to enter channel numbers.

CONTROL A TUNER OR AMPLIFIER

Only the buttons described here control a tuner or amplifier. Some of the buttons described here may not control your tuner or amplifier. See the device user's manual for information.

AUX MODE BUTTON

You must first set up the remote to control the device. See *Set Up the Remote Control* on page 6. Then press the AUX mode button to set the remote to AUX mode. The AUX mode button will stay lit for two seconds to show you've set the remote to AUX mode. Make sure to keep the remote in AUX mode to use the buttons we tell you about here.

POWER BUTTON

Press the blank POWER button to turn the tuner or amplifier on or off. Press the TV POWER button to turn the TV on or off.

MUTE BUTTON

Press this button to turn on or off the sound.
Note: Program the remote to control the device's volume by following the instructions on page 10.

VOLUME BUTTON

Press this button to raise (+) or lower (-) the sound volume.
Note: Program the remote to control the device's volume by following the instructions on page 10.

UP/DOWN ARROW BUTTONS

Use these buttons to change channels on the tuner or amplifier.

SELECT BUTTON

This button works as the INPUT SELECT button for the tuner or amplifier.

DEVICE CODES

These tables contain the manufacturer codes for programming the remote to control your TV, a VCR, DVD player, cable box, or audio amplifier. Every attempt has been made to include all codes. If your device brand is not listed or if the codes to not work, the remote may not control your device. In some cases codes may operate some but not all buttons shown in this guide.

TV CODES

TELEVISION	CODES
Admiral	514, 521
Akai	532, 570, 573
Alba	613
A-Mark	620
Amstrad	533
Anam	509, 541, 620, 621, 691,698
AOC	505, 506, 519, 520, 620, 695, 712
Archer	620
Audiovox	620
Bauer	611
Baycraft	536
Brockwood	695
Broksonic	562, 691
Candle	506, 522, 523, 525, 536, 691, 695, 712
Capehart	519, 695
Circuit City	695
Citizen	506, 516, 522, 523, 524, 525, 526, 691, 712
Colortyme	573, 695
Concerto	523
Contec	527, 528, 541, 591, 691
Craig	536, 541, 691, 694
Crown	526, 536
Curtis Mathes	506, 516, 526, 573, 703, 712, 708
CXC	541, 691
Daewoo	505, 524, 526, 529, 530, 531, 532, 698, 712, 719

TELEVISION	CODES
Daytron	526, 695
Dixi	532, 588, 620
Dumont	695
EchoStar	722
Electrohome	526, 573, 709, 713
Elta	532
Emerson	526, 527, 528, 533, 534, 535, 536, 537, 538, 539, 540, 541, 573,622, 691, 692, 695, 696, 699, 720,
Envision	506, 712
Etron	532
Fisher	542, 590
Formenti	611
Fortress	573, 605
Fujitsu	534, 694
Funai	534, 541, 691, 694
Futuretech	541, 691, 694
General Electric (GE)	503, 508, 509, 515, 540, 543, 544, 630, 695, 698, 701,714, 715, 716
Genexxa	613
Goldstar	505, 523, 526, 545, 546, 573, 588, 693, 712
Granada	695, 711
Grand	695
Grandiente	711
Grundig	547
Hallmark	695
Harmon Kardon	561
Hinari	534

TELEVISION	CODES
Hitachi	523, 526, 548, 549, 550, 551, 552, 553, 554, 555, 585, 597, 626, 702, 718
Infinity	566
JBL	566
JC Penney	503, 505, 506, 516, 526, 531, 543, 596, 701, 714
Jenson	556, 573
JVC	557, 558, 559, 560
Kawasho	548, 561, 712
Kenwood	506, 573, 712
Kloss	522, 561, 610, 698
KTV	526, 539, 540, 541, 691, 696, 712
Lloyds	695
Lloytron	526
Loewe	588
Logik	518
Luxman	523
LXI	503, 563, 566, 590, 595, 617, 625, 701
Magnasonic	573
Magnavox	506, 520, 525, 536, 564, 565, 566, 567, 568, 569, 573, 575, 610, 710, 712
Marantz	506, 566, 573, 588, 712
Matsui	532, 609
Megatron	695
Memorex	518, 532, 590, 695, 720
MGA	504, 505, 506, 571, 573,695
Mitsubishi	504, 505, 570, 571, 572, 597, 623, 695, 705, 707, 712
MTC	505, 506, 516, 523, 531, 695, 712
NAD	502, 617, 695
National	509, 697,698
National Quenties	697
NEC	505, 506, 507, 517, 523, 573, 627, 712
Nikkai	612, 613, 618
Nordmende	551
Normandic	717
Novabeam	561, 698

TELEVISION	CODES
Nyon	701
Onwa	541, 691
Optonica	605, 607
Orion	694
Osaki	612
Panasonic	508, 509, 510, 511, 512, 566, 574, 685, 686,687,689, 697, 698, 700, 706, 714, 716
Philco	505, 506, 525, 536, 564, 565, 568, 573, 610, 712
Philips	566, 588
Pioneer	502, 548, 551, 576, 708
Portland	505, 526, 712
Proscan	503
Proton	513, 519, 526, 536, 585, 624, 695
Pulsar	501
Quasar	508, 509, 577, 698, 700
Radio Shack	526, 541, 607, 612, 691, 698
RCA	503, 505, 515, 548, 579, 580, 581, 582, 583, 584, 586, 587, 625, 633, 634, 691, 698, 701, 708, 714, 715, 716
Realistic	590
Saba	551
Saisho	532, 533, 609
Sampo	506, 519, 698
Samsung	505, 506, 516, 523, 526, 532, 588, 612, 695, 704, 712, 721
Samwon	620
Sanyo	542, 589, 590, 591, 592, 609
SBR	588
Schneider	588
Scott	526, 534, 537, 541, 593, 600, 691,696, 701
Sears	503, 523, 534, 542, 563, 589, 590, 594, 595, 596, 598, 599, 601, 602, 603, 604, 617, 695, 703
Seimitsu	695
Sharp	526, 585, 591, 605, 606, 607, 608, 628, 629
Siemens	591

TELEVISION	CODES
Signature	518
Silver	573
Solavox	612
Sony	500, 578, 609, 619, 622, 690
Soundesign	525, 536, 541, 691, 695
Spectricon	520, 620
Squareview	694
SSS	505, 541, 573, 691, 712
Supra	523
Supre-Macy	522
Sylvania	506, 525, 536, 564, 565, 566, 568, 573, 575, 600, 610, 611, 712
Symphonic	632, 692, 694
Tandy	605, 613
Tatung	509, 698
Technics	508
Techwood	523, 573
Teknika	504, 505, 516, 518, 522, 523, 524, 525, 526, 534, 536, 541, 614, 615, 686, 691, 712
Teleavia	551
Telefunken	551
Teletech	532
Tera	513
Thomas	695
Thompson	709
Thomson	551, 616
TMK	523, 573, 695
Toshiba	516, 590, 596, 617, 618, 631, 688
Tosonic	528
Totevision	526
Toyomenko	695
Universal	543
Vector Research	506
Victor	557
Video Concepts	570, 691
Vidtech	505, 695, 712
Viking	522
Wards	505, 506, 515, 518, 534, 536, 543, 564, 565, 567, 568, 607, 619, 712, 714, 715
Yamaha	505, 506, 712
York	695
Zenith	501, 518, 693
Zonda	620

VCR CODES

VCR	CODES
Aiwa	588, 622, 623, 624
Akai	513, 514, 515, 516, 517, 518, 519, 520, 568,
Alba	546
Amstrad	588
ASA	565
Audio Dynamics	594, 600
Broksonic	559
Bush	589
Candle	580, 592, 593
Canon	542, 553, 554
Capehart	543, 546
Citizen	591, 592, 593
Craig	591, 608
Croslex	553
Curtis Mathes	554, 592, 605
Daewoo	534, 545, 546, 547, 593
Daytron	546
DBX	594, 600
Dumont	549
Dynatech	588
Electrohome	609
Emerson	505, 506, 507, 508, 509, 510, 511, 512, 559, 568, 588, 590, 609, 618
Finlandia	549
Finlux	549, 565, 588
Fisher	548, 549, 584, 588, 608, 610
General Electric (GE)	550, 551, 552, 554, 572, 591, 605

VCR	CODES
Goldstar	530, 555, 592, 612, 613
Goodmans	585, 589
Go Video	557 558, 620
Granada	549, 581
Grundig	565
Harmon Kardon	530, 569
Hinari	589
Hitachi	536, 537, 538, 539, 540, 541, 553, 588, 595, 596, 597
Instant Replay	553
ITT	518
JC Penney	530, 554, 580, 591, 594, 600, 601
Jenson	560
JVC	561, 562, 563, 564, 592, 594, 600, 601
Kenwood	562, 581, 592, 594, 600, 601
Lloyd	588
Logik	589
Luxor	518
Magnavox	527, 553, 554, 556, 565, 611
Marantz	530, 554, 565, 585, 592, 594, 600, 601, 603
MEI	554
Memorex	533, 549, 554, 566, 581, 585, 588, 608
MGA	567, 568, 609
Mitsubishi	562, 567, 568, 569, 570, 571, 609
MTC	544, 580, 588
Multitech	588, 589, 591
NAD	573
NEC	530, 531, 532, 562, 592, 594, 599, 600, 601, 602, 603, 604
Olympic	553
Optonica	585
Orion	506, 507
Panasonic	521, 522, 523, 524, 526, 553, 554, 598, 614, 628
Pentax	537, 592
Perdio	588

VCR	CODES
Philco	553, 554, 611
Philips	553, 554, 565, 585
Pioneer	553, 562, 573, 574, 575, 576, 600
Portland	546, 593
Proscan	553, 605
Pulsar	533
Quartz	581
Quasar	553, 554, 577, 578
Radio Shack	607, 608, 609, 610
RCA	525, 526, 527, 528, 529, 537, 553, 591, 605, 606, 615, 630, 631
Realistic	549, 554, 580, 581, 584, 585, 588
Ricoh	502
Saisho	506, 507
Salora	567, 581
Samsung	517, 534, 579, 580, 591
Sansui	532, 544, 562, 600, 621
Sanyo	549, 581, 582, 583, 608
SBR	565
Schneider	589
Scott	508, 559, 590
Sears	548, 549, 581, 584, 608, 610,
Sentra	546
Sharp	585, 607, 609, 625
Shintom	589
Sony	500, 501, 502, 503, 504
Sylvania	553, 554, 556, 567, 588, 611
Symphonic	588, 594
Tandy	588
Tashiko	588
Tatung	586, 594, 601
Teac	588, 594, 601
Technics	553, 554
Teknika	554, 587, 588
TMK	506
Toshiba	534, 535, 567, 590
Totevision	580, 591
Unitech	580

VCR	CODES
Vector Reaserch	530, 600
Victor	561, 562, 600
Video Concepts	568, 600
Videosonic	591
Wards	527, 554, 580, 585, 588, 589, 590, 591, 607, 608, 609
Yamaha	530, 592, 594, 600, 601
Zenith	500, 501, 533

DVD PLAYER CODES

Note: You *must* put the remote control in VCR mode to set it up to control a DVD player. Later, you *must* put the remote control in VCR mode to use it to control a DVD player.

DVD Players	Codes
Aiwa	634
Hitachi	632, 635
JVC	636
Konka	637, 638
Magnavox	626
Mitsubishi	629
Panasonic	639
Philips	640, 641, 642
Pioneer	619
RCA	627
Sanyo	643
Sony	617, 644, 645
Toshiba	616, 646, 647
Zenith	648

CABLE TV BOX CODES

Cable Boxes	Codes
Eastern	649
CI/Tocom	640
Jerrold	635, 636
Memorex	637
Oak	646
Panasonic	637, 644, 645
Paragon	637
Pioneer	642, 643
Regency	649
Scientific America	638, 639. 647, 648, 650
Zenith	641

TUNER/AMPLIFIER CODES

Tuner/ Amplifier	Codes
Aiwa	656, 680, 687, 718, 719, 720, 723, 724, 725, 726
Carver	653, 706
Citizen	709
Denon	674
Fisher	653, 706
GE	665, 711
Goldstar	677, 690
Harmon Kardon	672
Hitachi	717
JVC	657, 683, 703, 727
Kenwood	676, 691, 728
Luxman	681, 686
LXI	665
Magnavox	705
Marantz	708
Memorex	675, 692
NAD	669, 696
Nakamichi	671, 694
NEC	716
Onkyo	660, 662, 678, 689, 699, 700
Optimus	664, 697
Panasonic	652, 707
Pioneer	658, 661, 667, 668, 675, 679, 688, 692, 702
Proton	654, 705
Quasar	652, 707
RCA	655, 704, 729
Realistic	665, 666
Scott	659, 701

Tuner/ Amplifier	Codes
Sharp	712, 713, 714, 715
Sherwood	670, 695
Sony	673, 680, 687, 693, 730, 731
Symphonic	666
Teac	684
Technics	652, 658, 707
Toshiba	710
Victor	657, 703
Yamaha	663, 682, 685, 698, 732, 733

TROUBLESHOOT THE REMOTE CONTROL

What's Happening	What's Wrong	What You Can Do
While you do a remote procedure, the remote control "times out."	• If you don't press any button for 20 seconds in a programming sequence, the remote "times out." • If you hold a button longer than two minutes, the remote control stops transmitting to save battery life.	Start over again.
When you press the remote control Power button to turn the receiver on, the receiver's front panel Power light doesn't turn on.	• Maybe the batteries are weak or dead. • Maybe you didn't plug the receiver power cord into a power outlet, or maybe there's a problem with the power. • Maybe the remote isn't in SAT mode. • Maybe the remote and the receiver have different addresses.	• Replace the remote batteries with fresh ones. • Make sure the receiver power cord is plugged into a power outlet. • Press SAT to set the remote to SAT mode to control the receiver. • Make sure the remote and the receiver have the same address. See *Change the Address* on page 9.

What's Happening	What's Wrong	What You Can Do
When you press a button on the remote control, the device doesn't do what you expect.	• Maybe you're trying to control a device and you're not pointing the remote control right at it.	• Remember, the remote control uses IR signals to control all devices except for the receiver (when using the UHF antenna). IR signals travel *only* 40 feet or less, and *can't* go through walls or other solid objects. You *must* point the remote control right at the device, with *no* objects to block the signal path.
	• Maybe the remote control is missing batteries, maybe you put the batteries in the remote the wrong way, or maybe the batteries are weak or dead.	• If the batteries are missing or dead, put fresh AAA-size batteries in. If the remote has fresh batteries, check whether you put them in the right way. If you didn't, take them out and put them in the right way.
	• Maybe you didn't set the remote to the mode for the device you want to control.	• Press the correct mode button to set the remote to the mode for the device you want to control.
	• Maybe you didn't set up the remote to control the device.	• Make sure you set up the remote to control all the devices you want to use. See *Remote Control Setup* on page 6.
	• UHF signals from a neighbor's remote may be blocking signals from your remote.	• Put a UHF attenuator on the receiver's UHF Remote Antenna input. This will help keep stray signals from blocking your remote's signals, but also cut down how far away you can use the remote. Change your receiver's address (see *Change the Address* on page 9).
When you press the remote control Mute or Volume button, nothing happens.	• Maybe you have not set up the remote control.	• See *Remote Control Setup* on page 6.
	• Maybe you're trying to control TV volume but you set up the remote to control a tuner or amplifier in AUX mode.	• Set up the remote to control *either* TV volume *or* tuner/amplifier volume, whichever you want.
	• Maybe you're trying to control tuner or amplifier volume but you set up the remote to control a TV in AUX mode.	

LIMITED WARRANTY

This *Limited Warranty* is a legal document. Keep it in a safe place. Remember to keep your *Sales Receipt* for warranty service. We will consider any items you return without a copy of the *Proof of Purchase* to be out of warranty.

This warranty extends *only* to the original user of the DISH Network remote control ("you," "your") and is *limited* to the purchase price of the remote control. EchoStar Communications Corporation and its affiliated companies ("we," "our," "us") warrant this remote control against defects in materials or workmanship as follows.

For one year from the original date of purchase, if we find the remote control is defective subject to the limits of this warranty, we will replace the remote at no charge for parts or labor. We warrant any such work done against defects in materials or workmanship for the remaining part of the original warranty period.

This warranty *does not cover* installation of the DISH Network System; consumer instruction; physical set up or adjustment of any consumer electronic device; remote control batteries; signal reception problems; loss of use of the equipment; unused programming charges due to equipment malfunction; cosmetic damage; damage due to lightning, electrical or telephone line surges, fire, flood, or other acts of Nature; accident; misuse; abuse; repair or alteration by other than our factory service; negligence; commercial or institutional use; improper or neglected maintenance; equipment sold AS IS or WITH ALL FAULTS; equipment removal or reinstallation; shipping damage if the equipment was not packed and shipped in the manner we prescribe; nor equipment purchased, serviced, or operated outside the contiguous United States of America.

REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. WE SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS DEVICE, NOR FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE RESULTING FROM THE USE OF, OR INABILITY TO USE, THIS DEVICE. UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY, IF ANY, EXCEED THE PURCHASE PRICE PAID FOR THIS DEVICE. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY

IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS DEVICE IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. WE RESERVE THE RIGHT TO REFUSE TO HONOR THIS WARRANTY IF WE DETERMINE ANY OF THE ABOVE EXCEPTIONS TO HAVE CAUSED THIS DEVICE NOT TO HAVE PERFORMED PROPERLY. THIS WARRANTY SHALL BE VOID IF ANY FACTORY-APPLIED IDENTIFICATION MARK, INCLUDING BUT NOT LIMITED TO SERIAL OR CONDITIONAL ACCESS NUMBERS, HAS BEEN ALTERED OR REMOVED. THIS WARRANTY SHALL ALSO BE VOID IF THE DEVICE HAS BEEN OPENED BY AN UNAUTHORIZED PERSON (with the exception of opening the battery cover).

This warranty gives you specific legal rights which may vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damages, or allow limitations on the duration of an implied warranty, so those limitations may not apply to you.

ADVANCE EXCHANGE PROGRAM

The Advance Exchange Program allows you to have replacement equipment shipped immediately to you (depending upon where you live, it could take three to five business days). Along with replacement equipment, you will receive a prepaid shipping label and instructions on how to return the defective equipment.

The shipping charge, for receiving replacement equipment and returning the defective equipment, is a one time fee based on EchoStar's competitive bulk shipping rates (additional charges may apply outside of the continental US). This fee will be charged to your billing account or your valid credit card.

If you do not ship the defective equipment to EchoStar within ten days after receiving the replacement, your billing account or credit card will be charged the market price of the replacement. If you return the defective equipment after ten days, you will receive a full refund less an administrative fee.

If your equipment is out of warranty and can be repaired your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which EchoStar in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

POST RECEIPT EXCHANGE PROGRAM

You may choose to ship the equipment to us at your cost. To provide faster service, upon receipt of your equipment you will be shipped a replacement. Your original equipment will not be available for return.

The equipment you return will be checked to verify whether it is covered under this warranty. If the defective equipment is covered under this warranty, it will be replaced and shipped back to you at no additional cost (additional charges may apply outside of the continental US).

If your equipment is out of warranty and can be repaired your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which EchoStar in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

ACCESSORY WARRANTY

An accessory is any DISH Network branded equipment, displaying the DISH Network logo, excluding the receiver, Smart Card, cables and hookups, and non-mechanical components. A one-year warranty becomes effective upon the activation of the DISH system or date of purchase, if bought separately. A proof of purchase is required to verify the purchase date. If an accessory has an expired warranty, no exchange will be issued. You may purchase replacement accessories from DISH Network or your local retailer.

IF YOU NEED HELP

1. Review this *User Guide*.
2. See *Troubleshoot the Remote* on page 32.
3. Call the Customer Service Center at 1-800-333-DISH (3474). Have the date of purchase and your customer account number ready.
4. A Representative will help you.
5. If the Rep finds you should return the remote control, you'll get a telephone number to call for a Return Authorization (RA) number. *Before shipping* any equipment to us, you *must* get a Return Authorization number.
6. You *must* package returned equipment the right way. Follow the instructions the Rep gives you.

7. Write the RA number in large, clearly visible characters on the *outside* of the shipping box used to return the equipment. *To avoid confusion and misunderstandings, we will return shipments without an RA number clearly visible on the outside of the box to you at your cost.*
8. We will:
   - Check the remote control, including whether it is covered under the warranty.
   - Replace any remote we find is defective with a new or refurbished remote, if the defective remote is covered under the warranty. We will ship the replacement remote at our expense.
   - If a defective remote is not covered under the warranty, we will tell you. We may assess you a flat rate charge for a replacement remote, including shipping and insurance.

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Send any comments or questions to:

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call the Customer Service Center
at 1-800-333-DISH(3474)

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